

**ABSTRACT OF THE DISCLOSURE**

An apparatus and to a method of optoelectrical conversion, comprising the steps of: providing a first electrical signal to an electrical directional element, using the electrical directional element to direct the first  
5 electrical signal to an optoelectric converter, using the optoelectric converter for converting the first electrical signal into an optical signal and providing the optical signal to a DUT, using the optoelectric converter for receiving and converting a reflected optical signal reflected by the DUT back into a second electrical signal, and using the electrical directional element to direct  
10 the second electrical signal to a receiver.